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TECHSPEC®

25.4mm Dia x 100mm FL, NIR I Imaging Grade PCX Cylinder Lens


 Stock #34-674 **10 In Stock**

 - 1 + **MRP ₹12,441**

ⓘ Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹12,441 each
Qty 6-25	₹11,197 each
Qty 26-49	₹10,622 each
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Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- Curve (xlsx)
- Zemax:zar
- Zemax:zmx
- eDrawing:eprt
- Code V:seq
- EO Spec Sheet
- [Download All](#)

General

Type: Cylinder Lens, Plano-Convex

Physical & Mechanical Properties

Diameter (mm):	25.40 +0.0/-0.025	Bevel:	Protective as needed
Center Thickness CT (mm):	3.16	Center Thickness Tolerance (mm):	±0.1
Clear Aperture CA (mm):	22.86	Edge Thickness ET (mm):	1.58

Optical Properties

Effective Focal Length EFL (mm):	100.00	Substrate: ⓘ N-BK7	
f/#:	4.00	Numerical Aperture NA:	0.13
Coating:	NIR I (600-1050nm)	Wavelength Range (nm):	600 - 1050
Back Focal Length BFL (mm):	97.92	Coating Specification:	R _{avg} ≤0.5% @ 600 - 1050nm
Focal Length Tolerance (%):	±1	Radius R₁ (mm):	51.68
Surface Quality:	40-20	Power (P-V) @ 632.8nm:	1.5λ

Irregularity (P-V) @ 632.8nm:	$\lambda/4$	Plano Axis Wedge (arcmin):	<5
Power Axis Wedge (arcmin):	<5		

Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
Reach 235:	Compliant		
Country of Origin:	China	Imported By:	Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

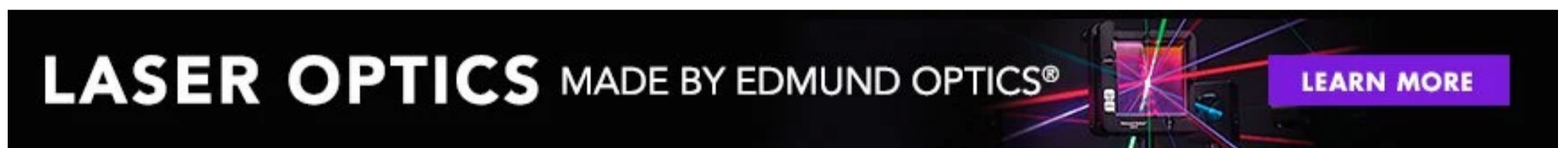
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Ideal for Beam Shaping Applications
- Tightly Controlled Optical and Geometric Tolerances
- Rectangular and Circular Form Factors Available

TECHSPEC® Imaging Grade PCX Cylinder Lenses offer an ideal pairing of tightly controlled tolerances and scalable pricing for volume integration. As opposed to spherical lenses, which focus light in two dimensions, cylinder lenses are used to focus light in one dimension. AR Coating options are available for laser applications, minimizing stray light and maximizing throughput of a system. Our TECHSPEC Imaging Grade PCX Cylinder Lenses are specified to control geometric characteristics in order to ensure consistent performance from design to manufacturing. Typical applications include circularizing elliptical beams from a laser diode, creating a light sheet for measurement systems, or projecting a laser line onto a surface.

Note: For negative focal length cylinder lenses, see our [TECHSPEC Imaging Grade PCV Cylinder Lenses](#).



Related Products



Imaging Grade PCV
Cylinder Lenses



Illumination Grade PCX
Cylinder Lenses



Laser Grade Broadband
Cylinder Lenses



Acylinder Lenses

Frequently Purchased Together



#34-672 - 25.4mm Dia x 50mm
FL, NIR I Imaging Grade PCX
Cylinder Lens
₹12,441

Qty



#34-673 - 25.4mm Dia x 75mm
FL, NIR I Imaging Grade PCX
Cylinder Lens
₹12,441

Qty



#34-675 - 25.4mm Dia x 150mm
FL, NIR I Imaging Grade PCX
Cylinder Lens
₹12,441

Qty



#48-773 - 25.0mm Dia. x 85.0mm
FL, NIR I Coated, Plano-
Convex Lens
₹4,792

Qty



Resources

Media Type

- Application Note
- Trending in Optics
- Published Article
- FAQ
- Glossary
- Video

APPLICATION NOTE

Anti-Reflection
(AR) Coatings

APPLICATION NOTE

Laser Beam
Shaping
Overview

TRENDING IN OPTICS

Non-Circular
Optics for
System
Miniaturization

APPLICATION NOTE

What are
Cylinder
Lenses?

APPLICATION NOTE

Considerations
When Using
Cylinder
Lenses

PUBLISHED ARTICLE

Cylinder
Lenses for
Beam Shaping

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